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TITLE: Method and system for digital data transmission

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Detailed Description Text - DETX (25):

The rectangular spectrum modulation with the system shown in FIG. 2 is accomplished at frequencies close to the data rate (baseband). Actual experiments with a system as shown for a data rate of 10.0K bit per /s has demonstrated that a signal power of  $E_b/N_0 = 11.0$  dB is needed for an error rate in the order of  $10^{-6}$ . The single side bandwidth is 5.0 KHz and it has been found that at 7.5 KHz the signal was down to approximately -70.0 dB.